

accommodate ADSL circuitry, whereby power is transmitted through the pulse transformer.

In the Claims:

Claims 10-35 are being canceled.

The rewritten clean versions of all the pending claims are provided below. Attached at the end of this paper is an Appendix providing an indication of the changes relative to the prior version of the claims, as now required by Rule 121(c).

1. Circuitry for terminating a phone line connection, comprising:
powered side circuitry operable to communicate digitally with phone line side circuitry, said digital communication comprising a digital data stream;
phone line side circuitry operable to communicate digitally with powered side circuitry, said digital communication between said powered side circuitry and said phone line side circuitry comprising a digital data stream transmitted through an isolation barrier; and
encode and decode circuitry coupled to said digital data stream to generate an encoded digital signal for transmission and receipt across said isolation barrier.
2. The circuitry of claim 1, further comprising DSL circuitry that may be used to generate DSL information for transmission across said isolation barrier.
3. The circuitry of claim 2, wherein said isolation barrier is comprised of one or more capacitors.
4. The circuitry of claim 2, wherein said isolation barrier is comprised of a transformer and one or more capacitors.
5. The circuitry of claim 4, wherein said transformer is comprised of a pulse transformer.